

BUILDING MATERIALS, BUILDING STANDARDS, HOME BUILDING:

Publications of the National Bureau of Standards

GENERAL INFORMATION

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- S = "Scientific Paper". Scientific Papers listed herein were published in "Scientific Papers of the Bureau of Standards". This series was superseded by the "Bureau of Standards Journal of Research" in 1928.
- T = "Technologic Paper". Technologic Papers were issued as separate publications; however, beginning with T203, they were given volume page numbers to facilitate binding into volumes. This series was superseded by the "Bureau of Standards Journal of Research" in 1928.
- RP = "Research Paper". These are reprints of articles appearing in the "Bureau of Standards Journal of Research" and the "Journal of Research of the National Bureau of Standards", the latter being the title of this periodical since July 1934 (volume 13, number 1).
- C = "Circular".
- H = "Handbook".
- M = "Miscellaneous Publication".
- R = "Simplified Practice Recommendation".
- CS = "Commercial Standard".

BH = "Building and Housing" publication.

BMS= "Building Materials and Structures" publication.

LC = "Letter Circular".

CircularC24 and supplements, the complete list of the Bureau's publications, is sold by the Superintendent of Documents for 55 cents. Announcement of new publications is made each month in the Technical News Bulletin which is obtainable by subscription, from the Superintendent of Documents, at 50 cents per year.

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BUILDING MATERIALS

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SUPPLEMENTARY ENTRIES

(Since the preparation of this list was started, the following publications have been issued.)

	<u>Series</u>	<u>Price</u>
Structural properties of a wall construction of "Knap Concrete Wall Units" sponsored by Knap America Inc. H. L. Whittemore, A. H. Stang, and C. C. Fishburn. (1940). 14pp.	BMS40	10¢
Structural properties of wood-frame wall and partition constructions with "Celotex" insulating boards sponsored by the Celotex Corporation. H.L.Whittemore and A.H.Stang, with collaboration of T.R.C.Wilson, Forest Products Laboratory. (1940). 25pp.	BMS42	10¢
Screw-thread standards for Federal services. 1939. 171pp.	H25	20¢
Literature on drycleaning. (1940). mimeogr. 6pp.	LC583	#
Standard specifications for sieves. (1940). mimeogr. 12pp. (Supersedes LC74.)	LC584	#
Classification of acoustic materials. (1940). mimeogr. 18pp. (Supersedes LC541.)	LC585	#
Ceramics (miscellaneous): Publications by members of the staff of the National Bureau of Standards, together with a list of Federal Specifications and standard samples. (1940). mimeogr. 15pp. (Supersedes LC131.)	LC587	#
Whiteware: Publications by members of the staff of the National Bureau of Standards, together with a list of Federal Specifications and standard samples. (1940). mimeogr. 11pp. (Supersedes LC131-A.)	LC587-A	#
List of Commercial Standards, revised to April 10, 1940. (1940). mimeogr. 5pp. (Supersedes LC579.)	LC589	#
Simplified practice: Its purpose and application. (1940). mimeogr. 16pp. (Supersedes LC456.)	LC590	#

BUILDING MATERIALS

Properties--Specifications--Tests--Uses--Standardization

Asphalt

(See also Roofing materials, and Waterproofing materials)

	<u>Series</u>	<u>Price</u>
Accelerated tests of asphalts. O. G. Strieter. BS J. Research, <u>5</u> , 247 (1930). 17pp.	RP197	OP
A modified accelerated weathering test for asphalts and other materials. O. G. Strieter and H. R. Snoke. J. Research NBS, <u>16</u> , 481 (1936). 5pp.	RP886	OP
Accelerated weathering tests of mineral-surfaced asphalt shingles. H. R. Snoke and B. E. Gallup. J. Research NBS, <u>18</u> , 669 (1937). 13pp.	RP ¹⁰⁰² 1102	10¢
Tests of floor coverings for post-office work-rooms. W. E. Emley and C. E. Hofer. J. Research NBS, <u>19</u> , 567 (1937). 4pp.	RP1046	10¢
Survey of roofing materials in the Southeastern States. H. R. Snoke and L. J. Waldron. (1938). 23pp.	BMS6	15¢
Indentation and recovery of low-cost floor coverings. P. A. Sigler and M. B. Woodward. (1939). 9pp.	BMS14	10¢
Survey of roofing materials in the Northeastern States. H. R. Snoke and L. J. Waldron. (1939). 27pp.	BMS29	10¢
Performance test of floor coverings for use in low-cost housing: Part 1. P. A. Sigler and E. A. Koerner. (1940). 14pp.	BMS34	10¢
Stability of sheathing papers as determined by accelerated aging. S. G. Weissberg, D. A. Jessup, and C. G. Weber. (1939). 7pp.	BMS35	10¢
Performance test of floor coverings for use in low-cost housing: Part 2. P. A. Sigler and E. A. Koerner. (1940). 20pp.	BMS43	10¢
Asphalt. (1936)	R4-36	5¢
Paint, varnish and bituminous materials: Publications by members of the staff of the National Bureau of Standards and a list of Federal Specifications. (1939). mimeogr. 26pp.	LC574	#

BUILDING MATERIALS--Continued

<u>Brick</u>	<u>Series</u>	<u>Price</u>
Manufacture and properties of sand-lime brick. W. E. Emley. (1917). 41pp.	T85	20¢
The compressive strength of large brick piers. J. G. Bragg. (1918). 39pp.	T111	OP
Equalizer apparatus for transverse tests of bricks. H. L. Whittemore. Tech. Pap. BS, <u>18</u> , 107 (1924-25). 7pp.	T251	10¢
Compressive strength of sand-lime brick walls. H. L. Whittemore and A. H. Stang. Tech. Pap. BS, <u>19</u> , 57 (1924-25). 15pp.	T276	10¢
A portable apparatus for transverse tests of brick. A. H. Stang. Tech. Pap. BS, <u>21</u> , 347 (1926-27). 6pp.	T341	5¢
Cause and prevention of kiln and dry-house scum and of efflorescence on face-brick walls. L. A. Palmer. Tech. Pap. BS, <u>22</u> , 579 (1927-28). 51pp.	T370	OP
Studies of machines for extruding clay col- umns: Augers, spacer, and dies for brick machines. P. C. Grunwell. BS J. Research, <u>1</u> , 1023 (1928). 35pp.	RP36	15¢
Fire resistance of hollow load-bearing wall tile. S. H. Ingberg and H. D. Foster. BS J. Research, <u>2</u> , 1 (1929). 334pp.	RP57	75¢
The compressive and transverse strength of brick. J. W. McBurney. BS J. Research, <u>2</u> , 821 (1929). 15pp.	RP59	5¢
Some absorption properties of clay bricks. L. A. Palmer. BS J. Research, <u>3</u> , 105 (1929). 25pp.	RP88	10¢
Compressive strength of clay brick walls. A. H. Stang, D. E. Parsons, and J. W. McBurney. BS J. Research, <u>3</u> , 507 (1929). 65pp.	RP108	OP
Durability and strength of bond between mortar and brick. L. A. Palmer and J. V. Hall, Jr. BS J. Research, <u>6</u> , 473 (1931). 20pp.	RP290	OP
Heat transfer through building walls. M. S. VanDusen and J. L. Finck. BS J. Research, <u>6</u> , 493 (1931). 30pp.	RP291	OP

BUILDING MATERIALS--Brick--Continued

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Shear tests of reinforced brick masonry beams. D. E. Parsons, A. H. Stang, and J. W. McBurney. BS J. Research, <u>9</u> , 749 (1932). 20pp.	RP504	OP
Compressive strength of steel columns incased in brick walls. A. L. Harris, A. H. Stang, and J. W. McBurney. BS J. Research, <u>10</u> , 123 (1933). 16pp.	RP520	5¢
A study of the properties of mortars and bricks and their relation to bond. L. A. Palmer and D. A. Parsons. BS J. Research, <u>12</u> , 609 (1934). 36pp.	RP683	5¢
Experiments on exterior waterproofing mate- rials for masonry. D. W. Kessler. J. Research NBS, <u>14</u> , 317 (1935). 27pp.	RP771	5¢
Compressive strength of structural tile masonry. D. E. Parsons and D. Watstein. J. Research NBS, <u>18</u> , 215 (1937). 12pp.	RP972	10¢
Wick test for efflorescence of building brick. J. W. McBurney and D. E. Parsons. J. Research NBS, <u>19</u> , 105 (1937). 5pp.	RP1015	5¢
Strength, water absorption, and resistance to freezing and thawing of sand-lime brick. J. W. McBurney and A. R. Eberle. J. Research NBS, <u>20</u> , 67 (1938). 10pp.	RP1065	5¢
Sand-lime brick--Description and specifica- tion. (1921). 9pp.	C109	OP
Recommended specification for quicklime and hydrated lime for use in the manufacture of sand-lime brick. (1923). 6pp.	C150	5¢
Manual of fire-loss prevention of the Federal Fire Council. (1934). 156pp.	H19	20¢
Recommended minimum requirements for masonry wall construction. (1924). 57pp.	BH6	15¢
Recommended minimum requirements for small dwelling construction. (1932). 107pp. (Supersedes BH1)	BH18	10¢

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Structural properties of a reinforced brick construction and a brick-tile cavity-wall construction sponsored by the Structural Clay Products Institute. H. L. Whittemore, A. H. Stang, and C. C. Fishburn. (1939). 17pp.	BMS24	10¢
Structural properties of "Insulite" wall and "Insulite" partition constructions sponsored by the Insulite Co. H. L. Whittemore and A. H. Stang, with collaboration of T. R. C. Wilson, Forest Products Laboratory. (1939). 52pp.	BMS31	15¢
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Effect of heating and cooling on the permeability of masonry walls. C. C. Fishburn and P. H. Petersen. (1940). 6pp.	BMS41	10¢
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Structural clay products, stone, and masonry: technical publications by members of the staff of the National Bureau of Standards. (1937). mimeogr. 14pp.	LC496	#
Dampness in masonry walls above grade. (1938). mimeogr. 10pp. (Supersedes LC391.)	LC514	#
Compression tests on brick masonry: A compilation covering 708 individual tests of brick masonry in the form of piers and walls. (1926). mimeogr. 50pp.		#
Proposed coordination of sizes of manufactured building materials. (1935). mimeogr. 8pp.		#
<u>Cement</u> (See also Mortar, Plaster, Stucco, and Concrete)		
Tests of the absorptive and permeable properties of Portland cement mortars and concretes, together with tests of damp-proofing and water-proofing compounds and materials. R. J. Wig and P. H. Bates. (1911). 127pp.	T3	OP
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The properties of Portland cement having a high magnesia content. P. H. Bates. (1918). 42pp.	T102	OP
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Tests of caustic magnesia made from magnesite from several sources. P. H. Bates, R. N. Young, and P. Rapp. Tech. Pap. BS, <u>17</u> , 529 (1922-24). 30pp.	T239	OP
Durability of cement drain tile and concrete in alkali soils; fourth progress report, 1923. G. M. Williams and I. Furlong. Tech. Pap. BS, <u>20</u> , 191 (1925-26). 49pp.	T307	OP
Cement-lime mortars. H. V. Johnson. Tech. Pap. BS, <u>20</u> , 241 (1925-26). 34pp.	T308	OP
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The precipitation and titration of magnesium oxyquinolate in the presence of calcium oxalate, and its application in the analy- sis of Portland cement and similar silicates. J. C. Redmond. BS J. Research, <u>10</u> , 825 (1933). 4pp.	RP569	5¢
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Effect of calcium chloride on portland cements and concretes. P. Rapp. J. Research NBS, <u>14</u> , 499 (1935). 19pp.	RP782	OP
Behavior of high-early-strength cement concretes and mortars under various temperature and hu- midity conditions. L. Schuman and E. A. Pisapia. J. Research NBS, <u>14</u> , 723 (1935). 25pp.	RP799	5¢
A study for the preparation of a specification for high-early-strength portland cement. G. R. Gause. J. Research NBS, <u>15</u> , 421 (1935). 19pp.	RP839	OP
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Effects of partial prehydration and different cur- ing temperatures on some of the properties of cement and concrete. F. B. Hornibrook, G. L. Kalousek, and C. H. Jumper. J. Research NBS, <u>16</u> , 487 (1936). 23pp.	RP887	5¢

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Approximate glass content of commercial portland cement clinker. W. Lerch. J. Research NBS, <u>20</u> , 77 (1938). 5pp.	RP1066	5¢
Heats of hydration and transition of calcium sulfate. E. S. Newman and L. S. Wells. J. Research NBS, <u>20</u> , 825 (1938). 10pp.	RP1107	5¢
Effect of glass content upon the heat of hydration of portland cement. W. Lerch. J. Research NBS, <u>21</u> , 235 (1938). 6pp.	RP1127	10¢
Relation of compositions and heats of solution of portland cement clinker. H. Insley, E. P. Flint, E. S. Newman, and J. A. Swenson. J. Research NBS, <u>21</u> , 355 (1938). 11pp.	RP1135	10¢
Formation of hydrated calcium silicates at elevated temperatures and pressures. E. P. Flint, H. T. McMurdie, and L. S. Wells. J. Research NBS, <u>21</u> , 617 (1938). 22pp.	RP1147	10¢

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Stucco investigations at the Bureau of Standards with recommendations for Portland cement stucco construction. (1926). 34pp.	C311	15¢
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Wire diameters for mineral aggregate production screens. (1933).	R147-33	5¢
Specifications for 3-inch sieves. (1929). mimeogr. 2pp.	LC58	#
Sieve testing apparatus. (1922). mimeogr. 4pp.	LC72	#
The development of standard sieve specifications in the United States. (1931). mimeogr. 8pp.	LC311	#
Aquarium cement. (1934). mimeogr. 10pp.	LC413	#
Cement: technical publications by members of the staff of the National Bureau of Standards. (1937). mimeogr. 14pp.	LC494	#
<u>Clays and Clay Products</u>		
(See also Brick, Fire clay and fire-clay brick, Hollow building tile.)		
The effect of overfiring upon the structure of clays. A. V. Bleining and E. T. Montgomery. (1913). 23pp.	T22	OP
American and English ball clays. H. H. Sortwell. Tech. Pap. BS, <u>17</u> , 153 (1922-24). 30pp.	T227	10¢
Methods of measuring the plasticity of clays. F. P. Hall. Tech. Pap. BS, <u>17</u> , 345 (1922-24). 22pp.	T234	OP
Studies of machines for extruding clay columns. Augers, spacer, and dies for brick machines. P. C. Grunwell. BS J. Research, <u>1</u> , 1023 (1928). 35pp.	RP36	15¢
Moisture expansion of glazes and other ceramic finishes. H. G. Schurecht and G. R. Pole. BS J. Research, <u>6</u> , 457 (1931). 7pp.	RP288	5¢

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"Moisture expansion" of ceramic white ware. R. F. Geller and A. S. Creamer. BS J. Research, <u>9</u> , 291 (1932). 17pp.	RP472	5¢
A study of some ceramic bodies of low absorption maturing at temperatures below 1,000°C. R. F. Geller and D. N. Evans. BS J. Research, <u>9</u> , 473 (1932). 13pp.	RP483	5¢
Clay in concrete. D. A. Parsons. BS J. Research, <u>10</u> , 257 (1933). 17pp.	RP529	5¢
Effects of particle size of a potter's "flint" and a feldspar in whiteware. R. F. Geller, D. N. Evans and A. S. Creamer. BS J. Research, <u>11</u> , 327 (1933). 16pp.	RP594	5¢
Colloidal nature and related properties of clays. W. W. Meyer. BS J. Research, <u>13</u> , 245 (1934). 14pp.	RP706	5¢
Thermal behavior of the kaolin minerals. H. Insley and R. H. Ewell. J. Research NBS, <u>14</u> , 615 (1935). 13pp.	RP792	5¢
Performance of a hollow-ware extrusion machine with different combinations of augers, spacers, and dies. P. V. Johnson and R. T. Stull. J. Research NBS, <u>14</u> , 711 (1935). 12pp.	RP798	5¢
Hydrothermal synthesis of kaolinite, dickite, beidellite, and nontronite. R. H. Ewell and H. Insley. J. Research NBS, <u>15</u> , 175 (1935). 14pp.	RP819	5¢
Hydration of magnesia in dolomitic hydrated limes and putties. L. S. Wells and H. Taylor. J. Research NBS, <u>19</u> , 215 (1937). 22pp.	RP1022	5¢
Relation between moisture content and flow-point pressure of plastic clay. R. T. Stull and P. V. Johnson. J. Research NBS, <u>22</u> , 529 (1939). 11pp.	RP1186	5¢
Ceramic properties of some white-burning clays of the eastern United States. (1927). 54pp.	C525	20¢

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Water permeability of masonry walls. C. C. Fishburn, D. Watstein, and D. E. Parsons. (1938). 35pp.	BMS7	10¢
Sound insulation of wall and floor constructions. V. L. Chrisler. (1939). 31pp.	BMS17	10¢
Survey of roofing materials in the Northeastern States. H. R. Snook and L. J. Waldron. (1939). 27pp.	BMS29	10¢
Staple porcelain (all-clay) plumbing fixtures. (1929). mimeogr.	CS4-29	#
Staple vitreous china plumbing fixtures. (1936).	CS20-36	10¢
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Concrete

(See also Cement)

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(See also Soundproofing materials)

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Aluminum foil insulation. (1938). mimeogr. 3pp. (Supplements C376.) (Supersedes LC465).	LC535	#
Classification of acoustic materials. (1939). mimeogr. 16pp.	LC541	#
Sound absorption coefficients of the more common acoustic materials. (1939). 25pp. (Supersedes LC539.)	LC573	#

Lime

(See also Mortar, and Plaster.)

Cement-lime mortars. H. V. Johnson. Tech. Pap. BS, <u>20</u> , 241 (1925-26). 34pp.	T308	OP
Volume changes in brick masonry materials. L. A. Palmer. BS J. Research, <u>6</u> , 1003 (1931). 24pp.	RP321	10¢
Investigation of commercial masonry cements. J. S. Rogers and R. L. Blaine. J. Research NBS, <u>13</u> , 811 (1934). 39pp.	RP746	5¢

BUILDING MATERIALS--Lime--Continued

	<u>Series</u>	<u>Price</u>
The system lime--boric oxide--silica. E. P. Flint and L. S. Wells. J. Research NBS, <u>17</u> , 727 (1936). 26pp.	RP941	5¢
Differences in limes as reflected in certain properties of masonry mortars. L. S. Wells, D. L. Bishop, and D. Watstein. J. Research NBS, <u>17</u> , 895 (1936). 18pp.	RP952	5¢
Hydration of magnesia in dolomitic hydrated limes and putties. L. S. Wells and K. Taylor. J. Research NBS, <u>19</u> , 215 (1937). 22pp.	RP1022	5¢
Particle size and plasticity of lime. D. L. Bishop. J. Research NBS, <u>23</u> , 285 (1939). 8pp.	RP1232	5¢
Lime: its properties and uses. (1920). 25pp.	C30	OP
Lime--definitions and specifications. (1920). 15pp.	C106	OP
Recommended specification for limestone, quicklime, and hydrated lime for use in the manufacture of glass. (1921). 7pp.	C118	5¢
Recommended specification for quicklime and hydrated lime for use in the manufacture of sand-lime brick. (1923). 6pp.	C150	5¢
Recommended specification for quicklime and hydrated lime for the manufacture of silica brick. (1923). 7pp.	C153	5¢
Manufacture of lime. (1927). 104pp. (Supersedes T16, of same title.)	C337	45¢
Suitability of fiber insulating lath as a plaster base. L. S. Wells and D. C. Smith. (1938). 17pp.	BMS3	10¢
Publications by the National Bureau of Stand- ards on lime. (1934). mimeogr. 11pp.	LC144	#

Metals--Miscellaneous (See also Steel)

Pure zinc at normal and elevated temperatures. J. R. Freeman, Jr., F. Sillers, Jr., and P. F. Brandt. BS Sci. Pap., <u>20</u> , 661 (1924-26). 35pp.	S522	15¢
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BUILDING MATERIALS--Metals--Miscel.--Continued

	<u>Series</u>	<u>Price</u>
Structure of the coating on tinned sheet copper in a specific case of corrosion. P. D. Merica. (1917). 18pp.	T90	OP
Some unusual features in the microstructure of wrought iron. H. S. Rawdon. (1917). 25pp.	T97	5¢
Mechanical properties and resistance to corrosion of rolled light alloys of aluminum and magnesium with copper, with nickel, and with manganese. P. D. Merica, R. G. Waltenberg, and A. H. Finn. (1919). 11pp.	T132	5¢
Behavior of wrought manganese bronze exposed to corrosion while under tensile stress. P. D. Merica and R. W. Woodward. (1919). 9pp.	T135	OP
Development of a method for measurement of internal stress in brass tubing. R. J. Anderson and E. G. Pahlman. Tech. Pap. BS, <u>18</u> , 229 (1924-25). 13pp.	T257	5¢
Effect of the testing method on the determination of corrosion resistance. H. S. Rawdon and E. C. Groesbeck. Tech. Pap. BS, <u>22</u> , 409 (1928). 38pp.	T367	20¢
The spotting of plated or finished metals. W. P. Barrows. BS J. Research, <u>2</u> , 1085 (1929). 32pp.	RP72	10¢
Corrosion of open-valley flashings. K. H. Beij. BS J. Research, <u>3</u> , 937 (1929). 16pp.	RP123	10¢ ^{OP}
Comparative properties of wrought iron made by hand puddling by Aston process. H. S. Rawdon and O. A. Knight. BS J. Research, <u>3</u> , 955 (1929). 40pp.	RP124	OP
Seams for copper roofing. K. H. Beij. BS J. Research, <u>5</u> , 585 (1930). 24pp.	RP216	15¢
The properties of pure nickel. L. Jordan and W. H. Swanger. BS J. Research, <u>5</u> , 1291 (1930). 17pp.	RP257	10¢
The porosity of electroplated chromium coatings. W. Blum, W. P. Barrows, and A. Brenner. BS J. Research, <u>7</u> , 697 (1931). 15pp.	RP368	10¢
Accelerated weathering tests of soldered and tinned sheet copper. P. R. Kesting. BS J. Research, <u>8</u> , 365 (1932). 15pp.	RP422	10¢

BUILDING MATERIALS--Metals--Miscel.--Continued

	<u>Series</u>	<u>Price</u>
The structure of the chromic acid plating bath; the theory of chromium deposition. C.Kasper. BS J. Research, <u>9</u> , 353 (1932). 23pp.	RP476	OP
Thermal expansion of lead. P. Hidnert and W. T. Sweeney. BS J. Research, <u>9</u> , 703 (1932). 7pp.	RP500	5¢
Protective value of nickel and chromium plating on steel. W. Blum, P. W. C. Strausser, and A. Brenner. J. Research NBS, <u>13</u> , 351 (1934). 25pp.	RP712	10¢
Accelerated tests of nickel and chromium plating on steel. P. W. C. Strausser, A. Brenner, and W. Blum. J. Research NBS, <u>13</u> , 519 (1934). 16pp.	RP724	5¢
Effect of cold-rolling on the indentation hardness of copper. J. G. Thompson. J. Research NBS, <u>13</u> , 745 (1934). 12pp.	RP742	5¢
Mechanism of chromium deposition from the chromic acid bath. C. Kasper. J. Research NBS, <u>14</u> , 693 (1935). 17pp.	RP797	OP
Atmospheric exposure tests on nonferrous screen wire cloth. G. W. Quick. J. Research NBS, <u>14</u> , 775 (1935). 19pp.	RP803	10¢
Mesle's chord method for measuring the thickness of metal coatings. W. Blum and A. Brenner. J. Research NBS, <u>16</u> , 171 (1936). 14pp.	RP866	5¢
Corrosion-protective value of electrodeposited zinc and cadmium coatings on steel. W. Blum, P. W. C. Strausser, and A. Brenner. J. Research NBS, <u>16</u> , 185 (1936). 28pp.	RP867	5¢
Thermal expansion of copper-beryllium alloys. P. Hidnert. J. Research NBS, <u>16</u> , 529 (1936). 20pp.	RP890	5¢
Inspection and tensile tests of some worn wire ropes. W. H. Fulweiler, A.H. Stang, and L. R. Sweetman. J. Research NBS, <u>17</u> , 401 (1936). 51pp.	RP920	OP
Magnetic method for measuring the thickness of nickel coatings on nonmagnetic base metals. A. Brenner. J. Research NBS, <u>18</u> , 565 (1937). 19pp.	RP994	10¢

BUILDING MATERIALS--Metals--Miscel.--Continued

	<u>Series</u>	<u>Price</u>
Elastic properties of cast iron. A. I. Krynitsky and C. M. Saeger, Jr. J. Research NBS, <u>22</u> , 191 (1939). 17pp.	RP1176	15¢
Determination of cross-sectional areas of structural members. J. A. Miller. J. Research NBS, <u>23</u> , 621 (1939). 16pp.	RP1258	10¢
Copper. (1922). 108pp.	C73	OP
Nickel. (1924). 162pp.	C100	OP
Physical properties of materials: I. Strengths and related properties of metals and certain other engineering materials. (1924). 204pp. (accompanied by 1937 Supplement)	C101	40¢
Supplement to C101--(relates to metals only) (1937). 7pp.	Suppl. to C101	5¢
The structure and related properties of metals. (1922). 104pp.	C113	25¢
Standard thicknesses, weights and tolerances of sheet metal (customary practice). (1931). 32pp.	C391	OP
Zinc and its alloys. (1931). 214pp.	C395	25¢
Recommended building code requirements for working stresses in building materials. (1926). 53pp.	BH9	OP
Survey of roofing materials in the Southeastern States. H. R. Snoke and L. J. Waldron. (1938). 25pp.	BMS6	15¢
Survey of roofing materials in the Northeastern States. H. R. Snoke and L. J. Waldron. (1939). 27pp.	BMS29	10¢
Pipe nipples; brass, copper, steel, and wrought-iron. (1940). (A revision and consolidation of CS5, CS6, & CS10.)	C65-40	#
Metal lath (expanded and sheet). (1936). (Supersedes R3-28.)	R3-36	5¢
Eaves trough, conductor pipe and fittings, and ridge rolls. (1939). mimeogr.	R39-39	#
Roofing terne. (1937).	R30-37	5¢

BUILDING MATERIALS--Metals--Miscel.--Continued

	<u>Series</u>	<u>Price</u>
Hollow metal single-acting swing doors, frames, and trim. (1928).	R82-28	5¢
Kalamein single-acting swing doors, frames, and trim. (1928).	R83-28	5¢
Metal partitions for toilets and showers. (1929).	R101-29	10¢
Large tube cast-iron radiators. (1940).	R174-40	#
Standards and specifications for metals and metal products. (1933). 1359pp.	M120	\$3.00 (foreign \$4.00)
The painting of structural metal (steel, galvanized metal, tin plate and copper). P. H. Walker and E. F. Hickson. (1934). mimeogr. 13pp.	LC422	#
Hardened copper. (1935). mimeogr. 6pp. (Supersedes LC61.)	LC444	#
Metals do not "crystallize" under vibration. (1937). mimeogr. 2pp. (Supersedes LC204.)	LC486	#
Nomenclature of copper alloys--brass and bronze. (1937). mimeogr. 4pp. (Supersedes LC268.)	LC487	#
Solders and soldering. (1937). mimeogr. 9pp. (Supersedes LC343.)	LC493	#
Metallurgy: Publications by staff of the National Bureau of Standards. (1938). mimeogr. 72pp.	LC522	#
Salt spray test. (1938). mimeogr. 21pp.	LC530	#
Sources of information on the properties of metals and alloys (books). (1938). mimeogr. 22pp. (Supersedes LC479.)	LC533	#
Aluminum foil insulation. (1938). mimeogr. 3pp. (Supersedes LC465.) (Supplements C376.)	LC535	#

Mortar

(See also Cement, Brick, and Plaster)

Tests of the absorptive and permeable properties of Portland cement mortars and concretes, together with tests of damp-proofing and water-proofing compounds and materials. R. J. Wig and P. H. Bates. (1911). 127pp.

T3 OP

BUILDING MATERIALS--Mortar--Continued

	<u>Series</u>	<u>Price</u>
Measurement of plasticity of mortars and plasters. W. E. Emley. (1920). 27pp.	T169	OP
Cement-lime mortars. H. V. Johnson. Tech. Pap. BS, <u>20</u> , 241 (1925-26). 34pp.	T308	OP
Strength of interlocking-rib tile walls. A. H. Stang, D. E. Parsons, and A. B. McDaniel. Tech. Pap. BS, <u>22</u> , 389 (1927-28). 20pp.	T366	10
Fire resistance of hollow load-bearing wall tile. S. H. Ingberg and H. D. Foster. BS J. Research, <u>2</u> , 1 (1929). 334pp.	RP37	75¢
Durability and strength of bond between mortar and brick. L. A. Palmer and J. V. Hall, Jr. BS J. Research, <u>6</u> , 473 (1931). 20pp.	RP290	OP
Factors affecting the strength of masonry hollow units. D. E. Parsons. BS J. Research, <u>6</u> , 857 (1931). 11pp.	RP310	5¢
Volume changes in brick masonry materials. L. A. Palmer. BS J. Research, <u>6</u> , 1003 (1931). 24pp.	RP321	10¢
Shear tests of reinforced brick masonry beams. D. E. Parsons, A. H. Stang, and J. W. McBurney. BS J. Research, <u>9</u> , 749 (1932). 20pp.	RP504	OP
Compressive strength of steel columns incased in brick walls. A. L. Harris, A. H. Stang, and J. W. McBurney. BS J. Research, <u>10</u> , 123 (1935). 16pp.	RP520	5¢
A study of the properties of mortars and bricks and their relation to bond. L. A. Palmer and D. A. Parsons. BS J. Research, <u>12</u> , 609 (1934). 36pp.	RP683	5¢
Investigation of commercial masonry cements. J. S. Rogers and R. L. Blaine. J. Research NBS, <u>13</u> , 811 (1934). 39pp.	RP746	5¢
Experiments on exterior waterproofing materials for masonry. D. W. Kessler. J. Research NBS, <u>14</u> , 317 (1935). 27pp.	RP771	5¢
Effect of granulometric composition of cement on the properties of pastes, mortars, and concretes. J. A. Swenson, L. A. Wagner, and G. L. Pigman. J. Research NBS, <u>14</u> , 419 (1935). 30pp.	RP777	OP

BUILDING MATERIALS--Mortar--Continued

	<u>Series</u>	<u>Price</u>
Behavior of high-early-strength cement concretes and mortars under various temperature and humidity conditions. L. Schuman and E.A.Pisapia. J. Research NBS, <u>14</u> , 723 (1935). 25pp.	RP799	5¢
A study for the preparation of a specification for high-early-strength portland cement. G. R. Gause. J. Research NBS, <u>15</u> , 421 (1935). 19pp.	RP839	OP
Differences in limes as reflected in certain properties of masonry mortars. L. S. Wells, D. L. Bishop, and D. Watstein. J. Research NBS, <u>17</u> , 895 (1936). 18pp.	RP952	5¢
Compressive strength of structural tile masonry. D. E. Parsons and D. Watstein. J. Research NBS, <u>18</u> , 215 (1937). 12pp.	RP972	10¢
Wick test for efflorescence of building brick. J. W. McBurney and D. E. Parsons. J. Research NBS, <u>19</u> , 105 (1937). 5pp.	RP1015	5¢
Application of vibrators for measuring mortar consistency and fabricating mortar cubes. R. L. Blaine and J. Tucker, Jr. J. Research NBS, <u>24</u> , 103 (1940). 21pp.	RP1275	10¢
Recommended minimum requirements for masonry wall construction. (1924). 57pp.	BH6	15¢
Structural properties of six masonry wall constructions. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1938). 31pp.	BMS5	15¢
Water permeability of masonry walls. C. C. Fishburn, D. Watstein, and D. E. Parsons. (1938). 35pp.	BMS7	10¢
Structural properties of a concrete-block cavity-wall construction sponsored by the National Concrete Masonry Association. H.L.Whittemore, A.H.Stang, and D.E.Parsons. (1939). 10pp.	BMS21	10¢
Structural properties of "Dun-Ti-Stone" wall construction sponsored by the W.E. Dunn Manufacturing Company. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1939). 11pp.	BMS22	10¢
Structural properties of a brick cavity-wall construction sponsored by the Brick Manufacturers Association of New York, Inc. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1939). 12pp.	BMS23	10¢

BUILDING MATERIALS--Mortar--Continued

	<u>Series</u>	<u>Price</u>
Structural properties of a reinforced brick construction and a brick-tile cavity-wall construction sponsored by the Structural Clay Products Institute. H. L. Whittemore, A. H. Stang, and C. C. Fishburn. (1939). 17pp.	BMS24	10¢
Structural properties of two brick-concrete-block wall constructions and a concrete-block wall construction sponsored by the National Concrete Masonry Association. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1939). 19pp.	BMS32	10¢
Structural properties of two "Dunstone" wall constructions sponsored by the W. E. Dunn Manufacturing Co. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1940). 13pp.	BMS38	10¢
Effect of heating and cooling on the permeability of masonry walls. C. C. Fishburn and P. H. Petersen. (1940). 6pp.	BMS41	10¢
Structural clay products, stone, and masonry: technical publications by members of the staff of the National Bureau of Standards. (1937). mimeogr. 14pp.	LC496	#

Paint Materials

The density and thermal expansion of linseed oil and turpentine. H. W. Bearce. (1912). 27pp.	T9	10¢
Iodine number of linseed and petroleum oils. W. H. Smith and J. B. Tuttle. (1914). 17pp.	T37	OP
Effect of certain pigments on linseed oil. E. W. Boughton. (1916). 16pp.	T71	OP
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Slushing oils. P. H. Walker and L. L. Steele. (1920). 23pp.	T176	OP
Shellac. P. H. Walker and L. L. Steele. Tech. Pap. BS, <u>17</u> , 277 (1922-24). 20pp.	T232	5¢
Emissive tests of paints for decreasing or increasing heat radiation from surfaces. W. W. Coblentz and C. W. Hughes. Tech. Pap. BS, <u>18</u> , 171 (1924). 17pp.	T254	OP

BUILDING MATERIALS--Paint Mtrls--Continued

	<u>Series</u>	<u>Price</u>
Use of U. S. Gov't specification paint and paint materials. P. H. Walker and E. F. Hickson. Tech. Pap. BS, <u>19</u> , 27 (1924-25). 20pp.	T274	OP
A photometric method for measuring the hiding power of paints. H. D. Bruce. Tech. Pap. BS, <u>20</u> , 173 (1925-26). 18pp.	T306	10¢
Accelerated tests of organic protective coatings. P. H. Walker and E. F. Hickson. BS J. Research, <u>1</u> , (1928). 17pp.	RP1	OP
Tinting strength of pigments. H. D. Bruce. BS J. Research, <u>1</u> , 125 (1928). 26pp.	RP7	10¢
The ring and ball method of test for softening point of bituminous materials, resins, and similar substances. P. H. Walker. BS J. Research, <u>4</u> , 195 (1930). 7pp.	RP142	5¢
Durability tests of spar varnish. C. L. Came. BS J. Research, <u>4</u> , 247 (1930). 13pp.	RP146	OP
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Water permeability of masonry walls. C. C. Fishburn, D. Watstein, and D. E. Parsons. (1938). 35pp.	BMS7	10¢
Methods of investigation of surface treatment for corrosion protection of steel. R. E. Pollard and W. C. Porter. (1938). 10pp.	BMS8	10¢
Structural properties of wood-frame wall, partition, floor, and roof constructions with "Red Stripe" lath sponsored by the Weston Paper and Manufacturing Co. H. L. Whittemore and A. H. Stang, with collaboration of T. R. C. Wilson, Forest Products Laboratory. (1940). 26pp.	BMS36	10¢
Paints, varnishes, and related products (shades and containers). (1937).	R144-37	5¢

BUILDING MATERIALS--Paint Mtrls--Continued

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Some technical methods of testing miscellaneous supplies, including paints and paint materials, inks, lubricating oils, soaps, etc. (1916). 68pp.	M15	OP
Paint for priming plaster surfaces. P. H. Walker and E. F. Hickson. (1932). 13pp.	M137	5¢
Acid-proof coatings for concrete surfaces. (1923). mimeogr. 15pp.	LC42	#
Protection of track-scale parts from corrosion. (1922). mimeogr. 4pp.	LC54	#
Specifications for paint for use on railroad track scales. (1924). mimeogr. 3pp.	LC81	#
Painting plaster. (1933). mimeogr. 7pp.	LC304	#
Outside house painting. (1932). mimeogr. 5pp.	LC335	#
Spray painting. (1932). mimeogr. 4pp.	LC334	#
Luminous paints. (1932). mimeogr. 3pp.	LC336	#
Painting water tanks. (1932). mimeogr. 2pp.	LC337	#
The painting of structural metal (steel, galvanized metal, tin plate, and copper). P. H. Walker and E. F. Hickson. (1934). mimeogr. 13pp.	LC422	#
Painting of steam and hot water radiators. (1935). mimeogr. 4pp.	LC445	#
Quality of linseed oil for government use. (1935). mimeogr. 3pp.	LC457	#
Wood and shingle stains. (1936). mimeogr. 4pp. (Supersedes LC64.)	LC464	#
The reflectance of paints and pigments. (1936). mimeogr. 6pp.	LC470	#
Inside wall paint for chemical laboratories (heat- and fume-resisting enamel paint). (1937). mimeogr. 7pp.	LC489	#
List of publications relating to paint, painting, varnish, lacquer, bitumens, and allied subjects. (1939). mimeogr. 30pp. (Supersedes LC478.)	LC542	#

BUILDING MATERIALS--Paint Mtrls--Continued

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Paint, varnish and bituminous materials: Publications by members of the staff of the National Bureau of Standards and a list of Federal Specifications. (1939). mimeogr. 26pp.	LC574	#
<u>Pipe and Pipe Fittings</u>		
(See also Plumbing)		
Strength of steel tubing under combined column and transverse loading, including tests of columns and beams. T. W. Greene. Tech. Pap. BS, <u>18</u> , 243 (1924-25). 34pp.	T258	15¢
Release of internal stress in brass tubing. R. J. Anderson and E. G. Fahlman. Tech. Pap. BS, <u>19</u> , 235 (1924-25). 31pp.	T285	15¢
Comparative tests of six-inch cast-iron pipes of American and French manufacture. S. N. Petrenko. Tech. Pap. BS, <u>21</u> , 231 (1926-27). 24pp.	T336	15¢
Pipe nipples; brass, copper, steel, and wrought-iron. (1940). (A revision and consolidation of CS5, CS6, and CS10.) mimeogr.	CS5-40	#
Standard weight malleable iron or steel screwed unions. (1929).	CS7-29	5¢
Eaves trough, conductor pipe and fittings, and ridge rolls. (1939). mimeogr.	R29-39	#
Wrought-iron and wrought-steel pipe valves and fittings. (1932).	R57-32	5¢
Drainpipe cleaners or solvents. (1932). mimeogr. 2pp.	LC341	#

Plaster

(See also Mortar)

Durability of stucco and plaster construction. R. J. Wig, J. C. Pearson, and W. E. Emley. (1917). 74pp.	T70	OP
Measurement of plasticity of mortars and plasters. W. E. Emley. (1920). 27pp.	T169	OP
Colored wall plaster. W. E. Emley and C. F. Faxon. (1920). 8pp.	T181	OP
Fire resistance of hollow load-bearing wall tile. S. H. Ingberg and H. D. Foster. BS J. Research, <u>2</u> , 1 (1929). 354pp.	RP37	75¢

BUILDING MATERIALS--Plaster--Continued

	<u>Series</u>	<u>Price</u>
Wall plaster: Its ingredients, preparation, and properties. (1924). 66pp.	C151	15¢
Recommended minimum requirements for small dwelling construction. (1932). 107pp. (Supersedes BHL.)	BH18	10¢
Suitability of fiber insulating lath as a plaster base. L. S. Wells and D. C. Smith. (1938). 17pp.	BMS5	10¢
Water permeability of masonry walls. C. C. Fishburn, D. Watstein, and D. E. Parsons. (1938). 35pp.	BMS7	10¢
Structural properties of "Wheeling Long-Span Steel Floor" construction sponsored by the Wheeling Corrugating Company. H. L. Whittemore, A. H. Stang, and V. B. Phelan. (1939). 7pp.	BMS15	10¢
Structural properties of a "Tilecrete" floor construction sponsored by Tilecrete Floors, Inc. H. L. Whittemore, A. H. Stang, and C. C. Fishburn. (1939). 6pp.	BMS16	10¢
Structural properties of "pre-fab" constructions for walls, partitions, and floors sponsored by the Harnischfeger Corporation. H. L. Shittemore, A. H. Stang, and V. B. Phelan. (1939). 20pp.	BMS18	10¢
Structural properties of conventional wood-frame constructions for walls, partitions, floors, and roofs. G. E. Heck, Forest Products Laboratory. (1939). 25pp.	BMS25	15¢
Structural properties of "insulite" wall and "insulite" partition constructions sponsored by the Insulite Co. H. L. Whittemore and A. H. Stang, with collaboration of T. R. C. Wilson, Forest Products Laboratory. (1939). 52pp.	BMS31	15¢
Structural properties of wood-frame wall, partition, floor, and roof constructions with "Red Stripe" lath sponsored by the Weston Paper and Manufacturing Co. H. L. Whittemore and A. H. Stang, with collaboration of T. R. C. Wilson, Forest Products Laboratory. (1940). 26pp.	BMS36	10¢
Paint for priming plaster surfaces. P. H. Walker and E. F. Hickson. (1932). 13pp.	ML37	5¢

BUILDING MATERIALS--Plaster--Continued

	<u>Series</u>	<u>Price</u>
Painting plaster. (1935). mimeogr. 7pp.	LC304	#
Gypsum: Publications by the staff of the National Bureau of Standards. (1939). mimeogr. 9pp. (Supersedes LC145)	LC569	#
Sound absorption coefficients of the more common acoustic materials. (1939). mimeogr. 25pp. (Supersedes LC539.)	LC575	#

Plumbing Materials

(See also Pipe and pipe fittings; Building and plumbing codes; and Plumbing.)

Stresses in a few welded and riveted tanks tested under hydrostatic pressure. A. H. Stang and T. W. Greene. Tech. Pap. BS, <u>17</u> , 645 (1922-24). 24pp.	T243	10¢
Moisture expansion of glazes and other ceramic finishes. H. G. Schurecht and G. R. Pole. BS J. Research, <u>6</u> , 457 (1931). 7pp.	RP288	5¢
Backflow prevention in over-rim water supplies. G. E. Golden and R. B. Hunter. (1939). 17pp.	BMS28	10¢
Staple porcelain (all-clay) plumbing fixtures. (1929). mimeogr.	CS4-29	#
Staple vitreous china plumbing fixtures. (1936).	CS20-36	10¢
Staple seats for water-closet bowls. (1931).	CS29-31	5¢
Colors for sanitary ware. (1931).	CS30-31	20¢
Colors for kitchen accessories. (1938).	CS62-38	5¢
Colors for bathroom accessories. (1938).	CS63-38	5¢
Sanitary cast-iron enameled ware. (1939). mimeogr.	CS77-39	#
Range boilers and expansion tanks. (1929).	R8-29	10¢
Structural slate for plumbing and sanitary purposes. (1928).	R13-28	10¢
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Steel horizontal firebox heating boilers. (1937).	R157-37	5¢
Large tube cast-iron radiators. (1940). mimeogr.	R174-40	#

Quicklime

Recommended specification for limestone, quicklime, and hydrated lime for use in the manufacture of glass. (1921). 7pp.	C118	5¢
Recommended specification for quicklime for use in causticizing. (1923). 5pp.	C143	5¢
Recommended specification for quicklime and hydrated lime for use in the manufacture of sand-lime brick. (1923). 6pp.	C150	5¢
Recommended specification for quicklime and hydrated lime for the manufacture of silica brick. (1923). 7pp.	C153	5¢

Roofing Materials

Experimental production of roofing felts. M. B. Shaw, G. W. Bicking, and O. G. Strieter. BS J. Research, <u>2</u> , 1001 (1929). 16pp.	RP67	5¢
Corrosion of open-valley flashings. K. H. Beij. BS J. Research, <u>3</u> , 937 (1929). 16pp.	RP123	OP
Seams for copper roofing. K. H. Beij. BS J. Research, <u>5</u> , 585 (1930). 24pp.	RP216	15¢
Accelerated weathering tests of soldered and tinned sheet copper. P. R. Hosting. BS J. Research, <u>8</u> , 365 (1932). 15pp.	RP422	10¢
Physical properties and weathering characteristics of slate. D. V. Kessler and J. H. Sligh. BS J. Research, <u>9</u> , 377 (1932). 35pp.	RP477	10¢
Flow in roof gutters. K. H. Beij. BS J. Research, <u>12</u> , 195 (1934). 21pp.	RP644	5¢
A study of the weathering quality of roofing felts made from various fibers. O.G.Strieter. J. Research NBS, <u>16</u> , 511 (1936). 15pp.	RP888	OP

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Accelerated weathering tests of mineral-surfaced asphalt shingles. H. R. Snoke and B. E. Gallup. J. Research NBS, <u>18</u> , 669 (1937). 13pp.	RP1002	10¢
Manual of fire-loss prevention of the Federal Fire Council. (1934). 156pp.	H19	20¢
Recommended minimum requirements for small dwelling construction. (1932). 107pp. (Supersedes BHL.)	BH18	10¢
Survey of roofing materials in the Southeastern States. H. R. Snoke and L. J. Waldron. (1938). 23pp.	BMS6	15¢
Structural properties of the Insulated Steel Construction Company's "Frameless-Steel" constructions for walls, partitions, floors, and roofs. H. L. Whittemore, A. H. Stang, and V. B. Phelan. (1938). 18pp.	BMS9	10¢
Structural properties of "Steelox" constructions for walls, partitions, floors, and roofs sponsored by Steel Buildings, Inc. H. L. Whittemore, A. H. Stang, and V. B. Phelan. (1939). 17pp.	BMS12	15¢
Survey of roofing materials in the Northeastern States. H. R. Snoke and L. J. Waldron. (1939). 27pp.	BMS29	10¢
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Eaves trough, conductor pipe and fittings, and ridge rolls. (1939). mimeogr.	R29-39	#
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Paint, varnish and bituminous materials: Publications by members of the staff of the National Bureau of Standards and a list of Federal Specifications. (1939). mimeogr. 26pp.	LC574	#

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Soundproofing Materials (See also Soundproofing.)

Transmission and absorption of sound by some building materials. T. A. Eckhardt and V. L. Chrisler. BS Sci. Pap., <u>21</u> , 37 (1926-27). 29pp.	S526	OP
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Transmission of sound through building materials. V. L. Chrisler. BS Sci. Pap., <u>22</u> , 227 (1927-28). 9pp.	S552	OP
Dependence of sound absorption upon the area and distribution of the absorbent material. V. L. Chrisler. J. Research NBS, <u>13</u> , 169 (1934). 18pp.	RP700	5¢
Classification of acoustic materials. (1939). mimeogr. 16pp. (Supersedes LC505.)	LC541	#
Sound absorption coefficients of the more common acoustic materials. (1939). mimeogr. 25pp. (Supersedes LC539.)	LC573	#
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Exposure tests on colorless waterproofing materials (used on stone). D. W. Kessler. Tech. Pap. BS, <u>18</u> , 1 (1924-25). 33pp.	T248	OP
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Miscellaneous Building Materials

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HEATING

(See also House equipment; Insulating materials.)

Fire hazard of domestic heating installations.

G. Q. Voigt.

BS J. Research, 11, 353 (1933). 20pp.

RP596

OP

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A method for testing gas appliances to determine their safety from producing carbon monoxide. E. R. Weaver, J. H. Eiseman, and G. B. Shawn. Tech. Pap. BS, <u>20</u> , 125 (1925-26). 30pp.	T304	OP
Carpet wear testing machine. H. F. Schiefer and A. S. Best. BS J. Research, <u>6</u> , 927 (1931). 10pp.	RP315	10¢
A method for determining the most favorable design of gas burners. J. H. Eiseman, E. R. Weaver, and F. A. Smith. BS J. Research, <u>8</u> , 669 (1932). 41pp.	RP446	5¢
The effect of altitude on the limits of safe operation of gas appliances. J. H. Eiseman, F. A. Smith, and C. J. Merritt. BS J. Research, <u>10</u> , 619 (1933). 19pp.	RP553	5¢

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Effect of the depth of drilled ports on the limits of operation of domestic gas burners. J. H. Eiseman and F. A. Smith. J. Research NBS, <u>18</u> , 485 (1937). 13pp.	RP988	10¢
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The care of floors. (1933). mimeogr. 19pp.	LC388	#
Detergents and related subjects. (1934). mimeogr. 9pp.	LC403	#
List of publications of interest to household purchasers. (1938). mimeogr. 25pp.	LC416	#

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Standards for gas service. (1934). 258pp. (Supersedes C32.)	C405	20¢
Manual of fire-loss prevention of the Federal Fire Council. (1934). 156pp.	H19	20¢
Color of illuminant and efficiency of the worker. (1940). mimeogr. 4pp. (Supersedes LC352.)	LC581	#

PLUMBING

(See also Plumbing materials.)

Cross connections in plumbing systems. R. B. Hunter, G. E. Golden, and H. N. Eaton. (includes list of references.) J. Research NBS, <u>20</u> , 479 (1933). 64pp.	RP1086	15¢
Recommended minimum requirements for plumbing. (1932). 283pp. (Supersedes BH2.)	BH13	35¢
Backflow prevention in over-rin water supplies. G. E. Golden and R. B. Hunter. (1939). 17pp.	BMS28	10¢

PUBLIC UTILITIES

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A portable cubic-foot standard for gas. M. H. Stillman. (1919). 13pp.	T114	5¢

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(See also Soundproofing materials.)

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Transmission of sound through wall and floor structures. V.L.Chrisler and W.F.Snyder. BS J. Research, <u>2</u> , 541 (1929). 19pp.	RP48	5¢
The absorption of sound at oblique angles of incidence. P. R. Heyl, V. L. Chrisler, and W. F. Snyder. BS J. Research, <u>4</u> , 289 (1930). 8pp.	RP149	5¢
The measurement of sound absorption. V. L. Chrisler and W. F. Snyder. BS J. Research, <u>5</u> , 957 (1930). 16pp.	RP242	OP
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Some of the factors which affect the measurement of sound absorption. V. L. Chrisler and C. E. Miller. BS J. Research, <u>9</u> , 175 (1932). 11pp.	RP465	5¢
Recent sound-transmission measurements at the National Bureau of Standards. V. L. Chrisler and W. F. Snyder. J. Research NBS, <u>14</u> , 749 (1935). 16pp.	RP800	5¢
A discussion of some of the principles of acoustical insulation. V.L.Chrisler. (1933). 12pp.	C403	5¢
Sound insulation of wall and floor constructions. V. L. Chrisler. (1939). 31pp.	BMS17	10¢

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Standards and specifications in the wood-using industries. (1927). 349pp.	M79	OP
Standards and specifications for nonmetallic minerals and their products. (1930). 680pp.	M110	\$2.75 (cloth)
Standards and specifications for metals and metal products. (1935). 1359pp.	M120 (foreign,	\$3.00 (cloth) \$4.00)
National directory of commodity specifications: classified and alphabetical lists and brief descriptions of specifications of national recognition. (1932). 548pp.	M130	\$1.75 (cloth)
Lists of sources of supply of commodities covered by Federal Specifications. As of current date. mimeogr. (Note: Lists relate to given commodities. When requesting, specify materials in which interested.)	LC256 Supple- ments	#
The certification plan: Its significance, scope, and application to selected Federal Specifications, and Commercial Standards. (1959). mimeogr. 34pp.	LC559	#
Standards and specifications for building and construction materials, fixtures, supplies, and equipment (a list). (1959). mimeogr. 14pp. (Supersedes LC323.)	LC570	#

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R. L. Humphray and L. H. Losse. (1911). 200pp.		T2	OP
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Tests of heavily reinforced concrete slab beams: Effect of direction of reinforcement on strength and deformation. W. A. Slater and F. B. Seely.			
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Floors

(See also Flooring materials)

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Loading test of a hollow tile and reinforced concrete floor of Arlington Building, Washington, D.C. L. J. Larson and S. N. Petrenko. Tech. Pap. BS, <u>17</u> , 405 (1922-24). 41pp.	T236	15¢
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(See also Roofing materials)

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